

Datasheet for ABIN5515618  
**anti-PCDHb7 antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	PCDHb7
Binding Specificity:	Middle Region
Reactivity:	Human, Cow, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHb7 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human PCDHB7
Sequence:	YAFSYATERI LKTFQINPTS GSLHLKAQLD YEAIQTYTLT IQAKDGGGLS
Predicted Reactivity:	Cow: 79%, Human: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against PCDHB7. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	PCDHb7
Alternative Name:	PCDHB7 ( <a href="#">PCDHb7 Products</a> )
Background:	This gene is a member of the protocadherin beta gene cluster, one of three related gene

## Target Details

---

clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections. The transcript for this particular family member uses more than one polyadenylation site.

Alias Symbols: PCDHB7,

Protein Interaction Partner: UBC,

Protein Size: 793

---

Gene ID:	56129
----------	-------

---

NCBI Accession:	<a href="#">NP_061763</a>
-----------------	---------------------------

---

UniProt:	<a href="#">Q9Y5E2</a>
----------	------------------------

## Application Details

---

Application Notes:	Optimal working dilution should be determined by the investigator.
--------------------	--

---

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

---

Format:	Liquid
---------	--------

---

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

---

Preservative:	Sodium azide
---------------	--------------

---

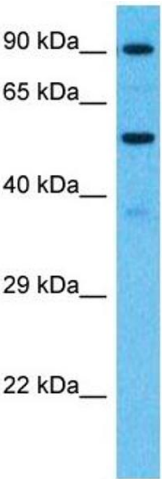
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	--

---

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** Host: Rabbit Target Name: PCDHB7 Sample Type: Fetal Kidney lysates Antibody Dilution: 1.0ug/ml